Notice of Allowability	Application No.	Applicant(s)	
	09/578,798	PORIS, JAIME	
	Examiner	Art Unit	1
	William C. Choi	2873	L
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. A This communication is responsive to Applicant's Response filed 8/14/2003			
2.  The allowed claim(s) is/are <u>1-19</u> 3.  The drawings filed on <u>16 October 2002</u> are accepted by the Examiner.			
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some* c) None of the:			
Certified copies of the priority documents have been received.			
<ol><li>Certified copies of the priority documents have been received in Application No.</li></ol>			
<ol> <li>Copies of the certified copies of the priority documents have been received in this national stage application from the international Bureau (PCT Rule 17.2(a)).</li> <li>Certified copies not received:</li></ol>			
Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).			
(a) The translation of the foreign language provisional application has been received.			
6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF			
INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.			
CORRECTED DRAWINGS must be submitted.     (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached     1) hereto or 2) to Paper No			
(b) 🔲 including changes required by the proposed drawing correction filed, which has been approved by the Examiner.			
(c) 🔲 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No			
Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.			
9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s)			
://P	Notice of Information     Notice of Information     Notice of Information     Information     Examiner's American     Other     Other	ary (PTO-413), Paper ndment/Comment	No

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Allowed Claims: 1-19.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance; none of the

prior art either alone or in combination disclose or teach of the claimed combination of

limitations to warrant a rejection under 35 USC 102 or 103.

Specifically, with respect to independent claim 1, none of the prior art alone or in

combination disclose or teach of a method of measuring dishing as claimed, specifically

comprising generating a set of calibration data; measuring the height variation of a first

feature on a substrate and correlating the height variation of the first feature with the

calibration data as claimed.

Specifically, with respect to independent claim 14, none of the prior art alone or

in combination disclose or teach of a method of producing a set of calibration data for

comparing to the measured height variation of a first feature as claimed, specifically

comprising providing at least one sample substrate having a plurality of first features

having differing widths and exhibiting dishing, surrounded by a second feature,

measuring the magnitude of the dishing of the plurality of the first features and relating

the magnitude of dishing to at least on of the first feature widths and the profile shape of

the first features.

Specifically, with respect to independent claim 17, none of the prior art alone or

in combination disclose or teach of a method of measuring dishing in a first feature as

claimed, specifically comprising measuring the height variation of a first feature

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embedded in a second feature, to determine the profile shape of the first feature and comparing the height variation of the first feature with pre-generated calibration data that relates the magnitude of dishing to the profile shape of a first feature.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

## CITATION OF RELEVANT PRIOR ART

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Johnson et al (U.S. 6,623,991 B2) is being cited herein to show a method, which can be used to measure dishing, but does not specifically disclose the calibration data or profile shape limitations of that of the claimed invention.

## CONCLUSION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Choi whose telephone number is (703) 305-3100. The examiner can normally be reached on Monday-Friday from about 9:00 am to 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps can be reached on (703) 308-4883. The fax phone numbers for the organization where this application or proceeding is assigned are (703)

305-3431 for regular communications and (703) 305-3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

William Choi Patent Examiner Art Unit 2873 October 7, 2003

Georgia Epps
Supervisory Patent Examine
Technology Center 2800